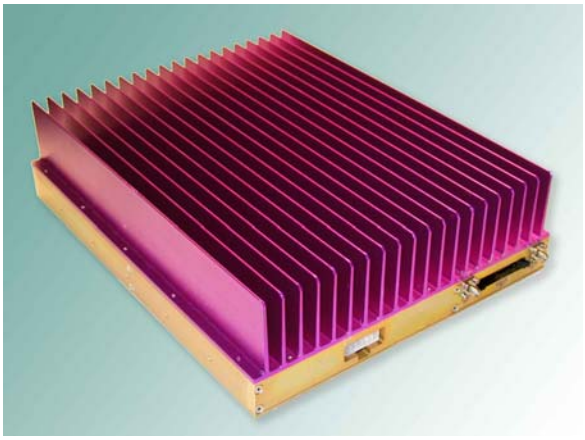
Stealth Microwave
INCORPORATED

# Model SM02932-58LD

**290-320 MHz**
**200 Watt Avg. Power Amplifier**
**FOR DEFENSE COMMUNICATIONS**

The **SM02932-58** is an LDMOS amplifier designed for applications such as defense and satellite communications. The unit operates from 290 to 320 MHz. Average 2 tone performance is +50 dBm per tone, with harmonics and IM products @ <-30 dBc. The amplifier operates from a single supply voltage of +28 VDC and 8.6 Amps of quiescent current.



## Features:

- Single DC Supply: +18 to +36V regulated input
- Over/Reverse Voltage Protection
- Reverse VSWR protection
- Thermal Protection with Auto Reset
- Digital Attenuator Control: 0 to 15dB attenuation per input
- Integral Heatsink

| Parameter | Specification |
|---|---|
| Frequency Range | 290 - 320 MHz |
| Pout | 200W (avg.) |
| Linear Gain | 53 dB ± 1 dB |
| Gain Flatness over Full Band | ± 0.5 dB |
| Gain Change over Temperature | ± 1.0 dB |
| Input/Output Return Loss | -20 / -18 dB |
| DC Supply | + 28 Volts @ 8.6 Amps (Quiescent) |
| RF Connectors | Female SMA |
| Operating Temperature | 0º to +60ºC |
| Operating Humidity | 95% Non-condensing |
| Operating Altitude | Up to 20,000 feet above Sea Level |
| Dimensions | 12 x 9.75 x 3.3 inches (with heatsink) |

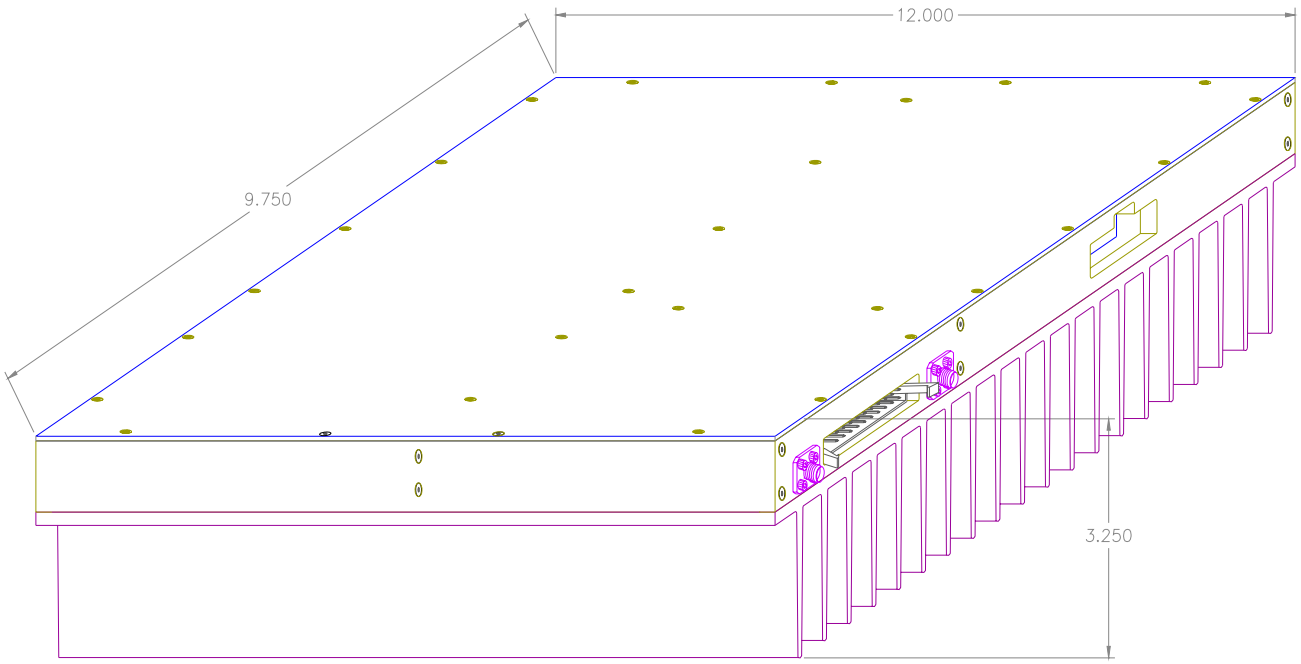
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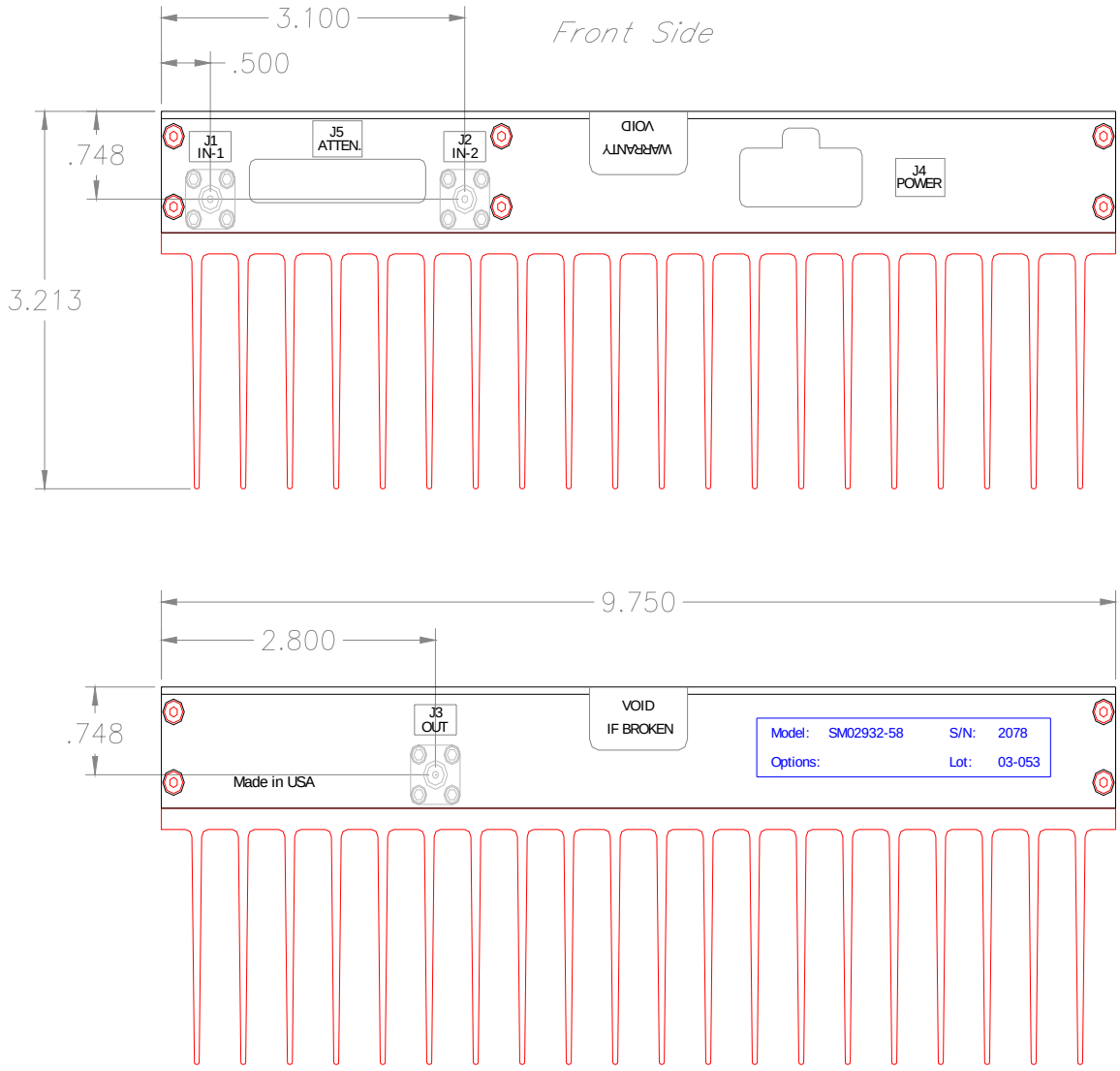
**290-320 MHz**
**200 Watt Avg. Power Amplifier**
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## DIMENSIONS IN INCHES




## CONNECTOR DETAIL ON NEXT PAGE

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| Label | Description | Values |
|---|---|---|
| J1 | Input Connector (Female SMA) | +10 dBm, max |
| J2 | Input Connector (Female SMA) | +10 dBm, max |
| J3 | Output Connector (Female SMA) | + 53 dBm, typical |
| J4 | DC Power Input Connector | + 28 Volts @ 8.6 Amps (Quiescent) |
| J5 | Attenuator Control | 0 – 15 dB attenuation per input |